



EUROPEAN COMMISSION

DIRECTORATE-GENERAL JRC
JOINT RESEARCH CENTRE
Institute for Transuranium Elements

Radioactivity - Radionuclides - Radiation

5th Multi-Media Training Course with Nuclides.net

(14th-15th April 2005)

Agenda:

Thursday 14th

9:00	Welcoming address	ITU Director:	G. Lander, ITU
9:15	JRC presentation & opportunities		J.-F. Babelot, ITU
9:45	Training Course Overview / Nuclide Charts		J. Magill, ITU
10:05	DataSheets/FactSheets/Articles/Weblinks		V. Berthou, CEC Ispra
Coffee 10:20	GROUP PHOTO		Coffee 10:30
10:45	Universal Nuclide Chart		V. Berthou, CEC Ispra
11:00	Dosimetry & Shielding with Nuclides.net		J. Galy, ITU
11:30	Decay Calculations with Nuclides.net		T. Zagar, IJS Slovenia
12:00	Range Calculations of Particles and Ions in Solids		J. Galy, ITU

Lunch 12:30

Video *Quest for the Nuclear Georeactor*

CASE STUDIES

13:45	Dating: "Age" of Uranium Materials	A. Morgenstern, ITU
14:15	Source Term Evaluation: Nuclear tests and RDDs	V. Berthou, CEC Ispra
Coffee 14:45		Coffee
15:00	Calculation of dose rate, decay heat and criticality for verifying compliance with transport limits for steel packages	Lars Niemann, HDB, FZK Karlsruhe
15:30	Use of non-destructive assay methods at HDB	Ralf Steiner, HDB, FZK
16:00	Transportation of radionuclides	C. Brossard, ITU

Departure to

hotel 16:40

Dinner at hotel

19:00

Friday 15th

9:00	Invited Lecture: Nuclear forensics sciences	M. Wallenius, ITU
10:00	Cross Sections/Fission Products & Yields	J. Galy, ITU
Coffee 10:30		Coffee 10:30
11:00	CASE STUDY: Photo-nuclear reactions on ²⁴² Plutonium	T. Zagar, IJS Slovenia
11:30	Installation of Nuclides.net	J. Galy, ITU
11:40	Test	ALL
Lunch 12:30		
12:45	Projection of the JRC video	
13:30		
13:50	Visit to the laboratories	
16:15	Questionnaire / feedback/ certificate/ poster	
17:00	End of Course	